What is claimed is:

- A dielectric ceramic composition including at least a main component containing a dielectric oxide
- having a composition expressed by  $[(Ca_xSr_{1-x})O]_m[(Ti_yZr_{1-y-z}Hf_z)O_2]$ ,

a first subcomponent containing a Mn oxide and/or an Al oxide, and

a glass component:

wherein "m", "x", "y" and "z" indicating

composition mole ratios in the formula included in—said

main component are in relationships of

 $0.90 \le m \le 1.04$ 

 $0.5 \le x < 1$ 

15  $0.01 \le y \le 0.10$ 

 $0 < z \le 0.20$ .

- The dielectric ceramic composition as set forth in claim 1, including 0.2 to 5 mol% of said Mn
   oxide in terms of MnO and 0.1 to 10 mol% of said Al oxide in terms of Al<sub>2</sub>O<sub>3</sub> with respect to 100 mol% of said main component.
- 3. The dielectric ceramic composition as set
  25 forth in claim 1 or 2, including 0 to 2.5 mol% (note that

0 is excluded) of a V oxide in terms of  $V_2O_5$  with respect to 100 mol% of said main component.

- 4. The dielectric ceramic composition as set forth in any one of claims 1 to 3, wherein said glass component contains at least SiO<sub>2</sub> as a main component.
- 5. The dielectric ceramic composition as set forth in any one of claims 1 to 4, wherein said glass
  10 component is expressed by [(Ba<sub>v</sub>Ca<sub>1-v</sub>)O]<sub>w</sub>SiO<sub>2</sub>, "v" and "w" in the composition formula-of said glass component are in ranges of 0 ≤ v ≤ 1 and 0.5 ≤ w ≤ 4.0, and said glass component is included by 0.5 to 15 mol% with respect to 100 mol% of said main component.

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6. The dielectric ceramic composition as set forth in any one of claims 1 to 5, including at least one of rare earth elements including Sc and Y by 0.02 to 1.5 mol% with respect to 100 mol% of said main component.

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7. The dielectric ceramic composition as set forth in any one of claims 1 to 6, including at least one of Nb, Mo, Ta, W and Mg by 0.02 to 1.5 mol% with respect to 100 mol% of said main component.

8. The dielectric ceramic composition as set forth in any one of claims 1 to 7, wherein "m" indicating a composition mole ratio in the formula contained in said main component is  $1.005 \le m \le 1.025$ .

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9. A production method of the dielectric ceramic composition as set forth in any one of claims 1 to 8, comprising the steps of:

preparing materials of said dielectric ceramic 10 composition;

mixing said materials;

obtaining a calcinated substance by collectively calcinating said mixed materials to bring solid-phase reaction by using a dry synthesis method; and

obtaining said dielectric ceramic composition by performing main firing on said calcinated substance.

- 10. An electronic device having a dielectric
  layer:
- wherein said dielectric layer is composed of the dielectric ceramic composition as set forth in any one of claims 1 to 8.
  - 11. An electronic device having alternately stacked internal electrodes and dielectric layers,

wherein said dielectric layers are composed of the dielectric ceramic composition as set forth in any one of claims 1 to 8.

- 12. The electronic device as set forth in claim
  11, wherein said internal electrode includes at least
  nickel.
- 13. The electronic device as set forth in claim
  10 11 or 12, wherein an average particle diameter of a

  crystal in said-dielectric-layer is 2 µm or less.
- 14. A production method of the electronic device as set forth in any one of claims 11 to 13, wherein main firing at 1300°C or lower is performed on said internal electrodes and dielectric layers at a time.